Abstract

The present invention relates to a system for computer-aided intravenous delivery of anesthetics and/or other drugs to a patient, wherein said system comprises an Infusion Controller that delivers an amount of drug(s) to a patient; possibly a DataLogger Controller with one or more Sensors adapted so as to be coupled to a patient and to generate signals reflecting one or more health conditions or statuses of the patient; a Communication Controller connected with the infusion pumps and/or monitors; a Session Controller that carries out the modeling of anesthesia procedures and is arranged to run a first procedure and to dynamically adapt said first procedure and/or select and run a second procedure based upon one or more of said sensors' output and/or observation from a physician; a Graphic User Interface to display different views of the system and to accept user input; a set of interfaces used to link the Infusion, Datalogger and Session Controllers to views displayed by the Graphical User Interface; a Processor or Infusion Session Manager that integrates the Graphic User Interface, the Infusion Controller, the DataLogger Controller, the Communication Controller and the Session Controller and that steers drug delivery; wherein the system contains a set of configurable written procedures to steer intravenous anesthetic drug delivery and/or other drug delivery, whereby said procedures have been adapted to the type of surgical action and/or therapy, adapted to the patient's physical condition, and adapted to the type of drugs, tools and theoretical models used.

The system of the present invention finds its use among others in intravenous anesthesia (IVA) and in cancer therapy.